

Converting Colors

XYZ(31.0783, 32.4494, 35.3879)

Have a look what the booklet for
XYZ(31.0783, 32.4494, 35.3879)
contains.

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Color

**XYZ(31.0986, 32.5122,
35.2083)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9A9A
RGB	156, 154, 154
RGB Percent	61%, 60%, 60%
CMY	0.3882, 0.3961, 0.3961
CMYK	0.00, 0.01, 0.01, 0.39
HSL	0°, 1%, 61%
HSV	0°, 1%, 61%
XYZ	31.0986, 32.5122, 35.2083
YIQ	154.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

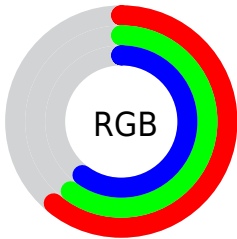
Format	Color
RYB	156, 154, 154
Decimal	10263194
CIELab	63.76, 0.73, 0.25
CIELCh	64, 0.769, 18.883
Yxy	32.5122, 0.3147, 0.3290
Android (android.graphics.Color)	4288453274 (0xFF9C9A9A)
YUV	154.5980, -0.2948, 1.2296
Hunter-Lab	57.0195, -2.4296, 3.3033

Details

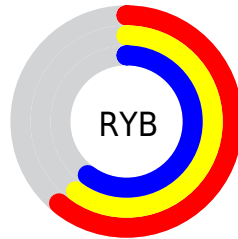
The XYZ color **31.0986, 32.5122, 35.2083** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.2156, 33.0468, 36.1863**, and the grayscale version is **30.9798, 32.5932, 35.4940**.

A 20% lighter version of the original color is **60.5194, 63.3675, 68.7159**, and **13.1241, 13.6830, 14.7813** is the 20% darker color. If you saturate the color by 10%, you get **27.4765, 27.2136, 28.0019**, and if you desaturate by 10%, it is **35.2252, 38.5487, 43.4168**.

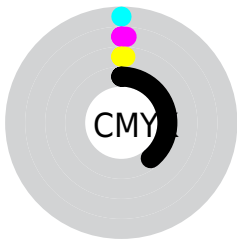
Distribution



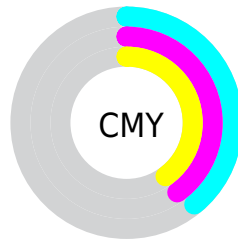
- Red (61%)
- Green (60%)
- Blue (60%)



- Red (61%)
- Yellow (60%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0986, 32.5122, 35.2083 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.0986, 32.5122, 35.2083 by changing the saturation by 10% instead.

■ 31.0986, 32.5122,
35.2083

■ 31.0986, 32.5122,
35.2083

298.8111,
313.4459, 340.4190

■ 20.8261, 21.7530,
23.5385

■ 60.7701, 63.6132,
68.9636

■ 13.1087, 13.6755,
14.7826

■ 80.8998, 84.7238,
91.8861

■ 7.5810, 7.8953,
8.5221

105.0459,
110.0537, 119.3967

■ 3.8775, 4.0281,
4.3382

133.5739,
139.9872, 151.9139

■ 1.6331, 1.6893,
1.8127

166.8491,
174.9088, 189.8562

■ 0.4138, 0.4167,
0.4363

205.2367,

■ 0.0000, 0.0000,

215.2029, 233.6421

0.0000

249.1023,
261.2538, 283.6901

■ 31.0986, 32.5122,
35.2083

■ 31.0986, 32.5122,
35.2083

■ 27.4765, 27.2136,
28.0019

■ 35.2252, 38.5487,
43.4168

■ 24.3369, 22.6205,
21.7572

■ 39.8717, 45.3454,
52.6615

■ 21.6603, 18.7046,
16.4341

■ 45.0563, 52.9289,
62.9775

■ 19.4248, 15.4337,
11.9892

■ 50.7955, 61.3234,
74.3976

■ 17.6068, 12.7734,
8.3752

■ 57.1050, 70.5519,
86.9532

■ 16.1803, 10.6857,
5.5405

■ 63.9999, 80.6365,
100.6745

■ 15.1167, 9.1287,
3.4278

■ 67.5204, 85.8080,
107.6116

■ 14.3832, 8.0546,
1.9721

■ 13.9412, 7.4070,
1.0963

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1059, 32.5122, 35.5150



31.0986, 32.5122, 35.2083



31.0385, 32.5122, 34.9545

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.0986, 32.5122, 35.2083



30.7458, 32.5122, 35.0109



30.8619, 32.5122, 35.9865

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.0986, 32.5122, 35.2083



31.2156, 33.0468, 36.1863

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.7656, 32.5122, 35.8498



31.0986, 32.5122, 35.2083



30.6987, 32.5122, 35.2858

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.0986, 32.5122, 35.2083



30.8348, 32.5122, 34.8410



30.7060, 32.5122, 35.5929



30.9691, 32.5122, 35.9655

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.0986, 32.5122, 35.2083



30.9767, 32.5122, 34.8488



30.7060, 32.5122, 35.5929



30.8272, 32.5122, 35.9575

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.0995, 32.5136, 35.2090



57.3938, 60.3827, 65.7568



31.2671, 32.5799, 36.0934



12.6291, 13.2868, 14.4694



74.8435, 78.7412, 85.7492

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.0995, 32.5136, 35.2090



55.9548, 58.2778, 62.8942



31.2648, 32.8441, 35.2641



7.2717, 7.5808, 8.1883



11.2951, 5.8259, 0.5292



0.2021, 0.1045, 0.0095

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.2156, 33.0468, 36.1863



56.2887, 59.8111, 65.7047



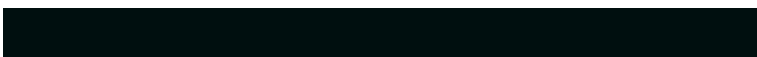
31.0490, 32.7135, 36.1307



7.3111, 7.7615, 8.5195



14.7070, 21.5055, 29.2831



0.2632, 0.3850, 0.5237

Previews

White Background



This preview shows how the XYZ color 31.0986, 32.5122, 35.2083 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.0986, 32.5122, 35.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

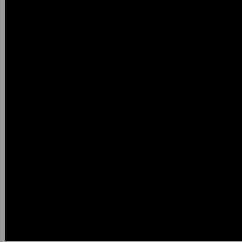
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0986, 32.5122, 35.2083

Background



This preview shows how black text looks on a background with the XYZ color 31.0986, 32.5122, 35.2083.

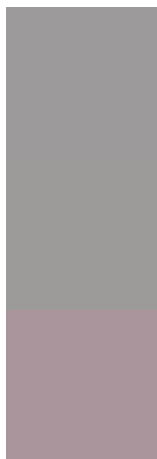


This preview shows how white text looks on a background with the XYZ color 31.0986, 32.5122,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.0986, 32.5122, 35.2083

Protanopia

31.2930, 32.6124, 35.2174

Deuteranopia

33.0260, 32.2965, 35.5035



Tritanopia

32.0296, 32.4059, 39.6888

Trichromacy



Original Color

31.0986, 32.5122, 35.2083

Protanomaly

31.2930, 32.6124, 35.2174

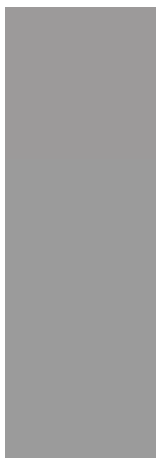
Deuteranomaly

32.2928, 32.3923, 35.5607

Tritanomaly

31.6410, 32.4886, 37.8610

Monochromacy



Original Color

31.0986, 32.5122, 35.2083

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.1553, 32.7778, 35.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0986, 32.5122, 35.2083 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 154, 154)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 154)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 154, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.0986, 32.5122, 35.2083 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 154, 154) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(156, 154, 154) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(156, 154, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 154);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
154) }
```


Background

The CSS property to change the background color of an element to XYZ 31.0986, 32.5122, 35.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 154) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156,  
154, 154) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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